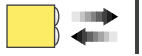
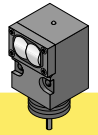


# VALU-BEAM – 915 Series



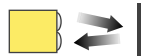
Infrared, 880 nm

These sensors detect the reflection of their own light from the object being sensed, and so require no special reflectors. They are ideal for applications where the reflectivity and profile of the object are sufficient to return a large portion of the emitted light back to the sensor. Choose DSR models for best response to objects at close range.



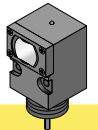
## 915 Series Diffuse Mode

Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Performance based on 90% reflectance white test card	
SMW915D SMW915DQD	760 mm (30")	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915D SMA915DQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915D SMB915DQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			
SMW915DSR SMW915DSRQD	380 mm (15")	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915DSR SMA915DSRQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915DSR SMB915DSRQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			



Visible red, 650 nm

Due to their narrow depth of field, these sensors excel at detecting small objects only a fraction of an inch in front of their backgrounds. The precise 0.06" dia. sensing spot focuses 1.5" in front of the sensor lens. The visible red beam simplifies alignment.



## 915 Series Convergent Mode

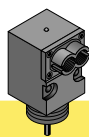
Models	Focus	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Performance based on 90% reflectance white test card	
SMW915CV SMW915CVQD	38 mm (1.5")  Spot Size at Focus: 1.5 mm (0.06")	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915CV SMA915CVQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915CV SMB915CVQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			

\*NOTES:

- 9 m (30') cables are available by adding suffix "W/30" to the model number of any cabled sensor (e.g. SMW915CV W/30).
- A model with a QD connector requires an accessory mating cable. See page 8 for more information.

# VALU-BEAM – 915 Series

An excellent option where sensing must be accomplished in tight, inaccessible or volatile areas. Withstands vibration and shock; immune to electrical noise. Glass fibers withstand high temperatures, extreme moisture and corrosive materials. Not recommended for applications requiring bending or repeated flexing of fibers.

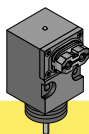


Infrared, 880 nm

## 915 Series Glass Fiber Optic Sensors

Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Diffuse mode performance based on 90% reflectance white test card	
SMW915F SMW915FQD	Range varies by sensing mode and fiber used.	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915F SMA915FQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915F SMB915FQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			

Compatible with most Banner plastic fiber optic assemblies. Excellent option for sensing in tight, inaccessible or volatile areas. Withstands vibration and shock; immune to electrical noise. Functions well at temperatures between -30° and +70°C (-20° and +158°F), withstands repeated flexing. Most are easy to shorten in the field. Not recommended for severe environments.



Visible red, 650 nm

## 915 Series Plastic Fiber Optic Sensors

Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Diffuse mode performance based on 90% reflectance white test card	
SMW915FP SMW915FPQD	Range varies by sensing mode and fiber used.	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915FP SMA915FPQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915FP SMB915FPQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			